

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of: Pekka PESSI

FILING DATE: Herewith

ART UNIT:

TITLE: CONTROL OF APPLICATION-SPECIFIC QUALITY OF SERVICE
OPTIMIZATIONS

ATTORNEY DOCKET NO.: 460-010211-US(PAR)

The Commissioner of Patents and Trademarks

Washington, D.C. 20231

PRELIMINARY AMENDMENT

Dear Sir:

Please amend the above-identified, enclosed patent application as follows:

IN THE CLAIMS

Please amend Claims 3, 4, 6 and 8 as rewritten below:

3. The method according to claim 1, in which method the quality of service is optimized, **characterized** in that the signalling protocol used is a quality of service signalling protocol which comprises parameters required in optimizations.

4. The method according to claim 1, **characterized** in that application-specific signalling is used for optimization of a data stream of a real-time application in the nodes (2a, 2b, 2c, 2d) in the communication network.

6. The method according to claim 1, **characterized** in that the application sets up, by means of signalling messages (4, 5) of the signalling protocol, an optimized path between the sender (1a) and the receiver (1b) for a data stream (6) of the application,

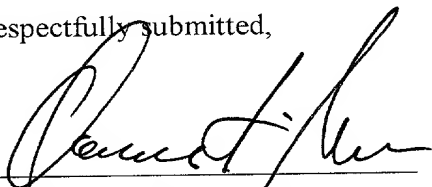
wherein the optimized quality of service required by the application is reserved at each node (2a, 2b, 2c, 2d) of the communication network.

8. The method according to claim 1, in which method the application transmits packets (3), **characterized** in that the application supplements the packet (3) to be transmitted with a signalling message (9), on the basis of which each reached node (2a, 2b, 2c) of the communication network can perform signalling.

REMARKS

In accordance with 37 C.F.R. §1.121 (as amended on 11/7/2000) the rewritten claim(s) above are shown on separate page(s) marked up to show all the changes relative to the previous version of that section.

Respectfully submitted,



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Date

Application entitled: CONTROL OF APPLICATION-SPECIFIC QUALITY OF SERVICE OPTIMIZATIONS

MARKED UP CLAIM(S)

3. The method according to claim 1 ~~or 2~~, in which method the quality of service is optimized, **characterized** in that the signalling protocol used is a quality of service signalling protocol which comprises parameters required in optimizations.
4. The method according to claim 1, ~~2 or 3~~, **characterized** in that application-specific signalling is used for optimization of a data stream of a real-time application in the nodes (2a, 2b, 2c, 2d) in the communication network.
6. The method according to ~~any of the claims 1 to 5~~ claim 1, **characterized** in that the application sets up, by means of signalling messages (4, 5) of the signalling protocol, an optimized path between the sender (1a) and the receiver (1b) for a data stream (6) of the application, wherein the optimized quality of service required by the application is reserved at each node (2a, 2b, 2c, 2d) of the communication network.
8. The method according to ~~any of the claims 1 to 5~~ claim 1, in which method the application transmits packets (3), **characterized** in that the application supplements the packet (3) to be transmitted with a signalling message (9), on the basis of which each reached node (2a, 2b, 2c) of the communication network can perform signalling.